

**IN THE CLAIMS:**

1. (Currently amended) An oral composition for inhibiting the growth of oral bacteria including a bioactive agent, and an oral pharmaceutically acceptable carrier, wherein said bioactive agent included in an amount effective to inhibit inflammation of oral tissue comprises:

about 5.0 wt% to 15 wt% of a holistic extract of the *Centipeda* genus obtained by extracting with water and alcohol mixtures;

about 10 wt% to about 35 wt% coenzyme Q10;

about 10 wt% to about 35 wt% aloe vera;

about 10 wt% to about 35 wt% folic acid; [[and]]

about 2 wt% to 10 wt% Vitamin E;

~~gotu~~ gota kola;

bio-saponin;

thyme oil, and

olive leaf;

wherein the percentages are based on total weight of the bioactive agent and where said composition includes 5 wt% to 25 wt% of said bioactive agent based on the total weight of the composition.

2. (Previously presented) The composition of claim 1, wherein said bioactive agent is included in the oral composition in an amount of 5 wt% to 15 wt% based on the weight of the composition, and said composition comprises about 0.5% to about 1.0% by weight of said extract of the *Centipeda* genus based on the weight of the composition.

3. (Original) The composition of claim 1, wherein said extract of the *Centipeda* genus is *Centipeda cunninghami*.

Claims 4-6 (Cancelled)

7. (Previously presented) The composition of claim 1, wherein said composition contains about 0.5 wt% to about 1.5 wt% of an extract of *Centipeda cunninghami* as said extract of *Centipeda* genus, about 0.5 wt% to about 1.5 wt% aloe vera extract, about 0.01 wt% to about 0.1 wt% coenzyme Q10, and about 0.5 wt% to about 1.5 wt% folic acid based on the total weight of the composition.

Claim 8 (Cancelled)

9. (Currently amended) The composition of claim 1, further comprising chlorophyll, peppermint oil, oregano oil, lavender oil, clove bud oil, eucalyptus oil, cinnamon bark oil, ~~bio-sapenin~~, folic acid, prickly ash bark extract, calendula extract, echinacea extract, chamomile extract, black walnut hull extract, grapefruit seed extract, and green tea extract, wherein said components are included in an amount of about 1.0 wt% to about 10 wt% based on the total weight of the bioactive agent.

10. (Currently amended) An oral composition for inhibiting the growth of oral bacteria, wherein said composition includes an effective amount of a bioactive agent which comprises:

about 0.5 wt% to about 1.5 wt% aloe vera extract;

about 0.05 wt% to about 0.2 wt% folic acid;

about 0.25 wt% to about 0.75 wt% prickly ash bark extract;

about 1.0 wt% to about 1.5 wt% calendula extract;

about 0.75 wt% to about 1.5 wt% echinacea extract;

about 0.25 wt% to about 0.75 wt% ~~gudu~~ gota kola extract;

about 0.75 wt% to about 1.5 wt% chamomile extract;

about 0.5 wt% to about 1.0 wt% *Centipeda cunninghami* extract;

about 0.05 wt% to about 0.1 wt% olive leaf extract;

about 0.02 wt% to about 0.1 wt% black walnut hull extract;

about 0.03 wt% to about 0.1 wt% grape fruit seed extract;

about 0.01 wt% to about 1.0 wt% green tea extract;

less than 0.1 wt% chlorophyll [[KK]];

about 1.5 wt% to about 2.5 wt% peppermint oil;

about 0.2 wt% to about 1.0 wt% oregano oil;

about 0.1 wt% to about 0.5 wt% lavender oil;

about 0.1 wt% to about 0.5 wt% clove bud oil;

about 0.05 wt% to about 0.1 wt% thyme oil;

about 0.05 wt% to about 0.1 wt% eucalyptus oil;

about 0.02 wt% to about 0.1 wt% cinnamon bark oil;

about 0.5 wt% to about 1.5 wt% bio-saponin; and

about 0.02 wt% to about 0.1 wt% coenzyme Q10;

wherein said percentages are based on the weight of the composition.

11. (Original) The composition of claim 1, wherein said composition is a liquid, cream, gel or paste.

12. (Currently amended) An oral composition comprising a bioactive agent for inhibiting the growth of oral bacteria, treating inflammation of gum tissue and promoting cell renewal, the bioactive agent including *Centipeda cunninghami* extract, coenzyme Q10, aloe vera and folic acid, the composition comprising:

0.5 wt% to 1.0 wt% *Centipeda cunninghami* extract in an amount to inhibit inflammation of oral tissue and promote cell renewal;

0.1 wt% to 0.4 wt% coenzyme Q10;

0.5 to 1.5 wt% aloe vera;

0.5 wt% to 1.0 wt% folic acid; and

an antiseptic agent comprising oregano oil, clove oil, oil of lavender, thyme oil, biosaponin, and g<sup>o</sup>t<sub>u</sub> g<sup>o</sup>ta k<sup>o</sup>la;

wherein the percentages are based on the weight of the composition.

13. (Previously presented) The composition of claim 12, further comprising a pharmaceutically acceptable carrier.

Claims 14-15 (Cancelled)

16. (Previously presented) The composition of claim 12, wherein said *Centipeda cunninghami* extract is a holistic extract and contains an alcohol soluble fraction and a water soluble fraction.

17. (Currently amended) The composition of claim 12, wherein said composition further comprises a mixture of chlorophyll [[KK]], peppermint oil, ~~oregano oil, lavender oil, clove bud oil, thyme oil,~~ eucalyptus oil, cinnamon bark oil, bio-saponin ~~concentrate~~, folic acid, prickly ash bark extract, calendula extract, echinacea extract, ~~gotu kola extract~~, chamomile extract, olive leaf extract, black walnut hull extract, grapefruit seed extract, and green tea extract in an amount to inhibit the growth of oral bacteria and treat inflammation.

Claims 18-21 (Cancelled)

22. (Currently amended) A method of treating periodontal infection, inhibiting the growth of oral bacteria and treating inflammation comprising:

topically applying a composition to a target site of an animal in need thereof in an amount effective to inhibit bacterial growth and reduce inflammation of gum tissue caused by periodontal infection, said composition including a bioactive agent comprising about 10 wt% to 35 wt% *Centipeda cunninghami* extract, about 10 wt% to about 35 wt% coenzyme Q10, about 10 wt% to about 35 wt% folic acid, and about 10 wt% to about 35 wt% aloe vera gel and about 1.0 wt% to 10 wt% of oregano oil, clove oil, oil of lavender, thyme oil and gota kola based on the weight of the bioactive agent, whereby said composition comprises:

0.5 wt% to 1.0 wt% of a *Centipeda cunninghami* extract;

0.1 wt% to 0.4 wt% coenzyme Q10;

0.5 wt% to 1.5 wt% aloe vera; [[and]]

0.5 wt% to 1.0 wt% folic acid, and

oregano oil, clove oil, oil of lavender, thyme oil, bio-saponin, and ~~gotu~~ gota kola;

wherein the percentages are based on the weight of the composition.

Claim 23 (Cancelled)

24. (Original) The method of claim 22, wherein said composition is a paste or gel, and said method comprises applying said composition directly to infected gum surfaces.

25. (Original) The method of claim 22, wherein said composition is an aqueous rinse and said method comprises rinsing said target site with said composition.

26. (Currently amended) A method of treating periodontal infection and inhibiting growth of oral bacteria and treating inflammation by applying a composition to a target site, wherein said composition comprises:

about 0.5 wt% to about 1.5 wt% aloe vera extract;

about 0.05 wt% to about 0.2 wt% folic acid;

about 0.25 wt% to about 0.75 wt% prickly ash bark extract;

about 1.0 wt% to about 1.5 wt% calendula extract;

about 0.75 wt% to about 1.5 wt% echinacea extract;

about 0.25 wt% to about 0.75 wt% gota kola extract;

about 0.75 wt% to about 1.5 wt% chamomile extract;

about 0.5 wt% to about 1.0 wt% *Centipeda cunninghami* extract;

about 0.05 wt% to about 0.1 wt% olive leaf extract;

about 0.02 wt% to about 0.1 wt% black walnut hull extract;

about 0.03 wt% to about 0.1 wt% grape fruit seed extract;

about 0.01 wt% to about 1.0 wt% green tea extract;  
less than 0.1 wt% chlorophyll [[KK]];  
about 1.5 wt% to about 2.5 wt% peppermint oil;  
about 0.2 wt% to about 1.0 wt% oregano oil;  
about 0.1 wt% to about 0.5 wt% lavender oil;  
about 0.1 wt% to about 0.5 wt% clove bud oil;  
about 0.05 wt% to about 0.1 wt% thyme oil;  
about 0.05 wt% to about 0.1 wt% eucalyptus oil;  
about 0.02 wt% to about 0.1 wt% cinnamon bark oil;  
about 0.5 wt% to about 1.5 wt% bio-saponin; and  
about 0.02 wt% to about 0.1 wt% coenzyme Q10,  
wherein each of said extracts ~~are~~ is included in an effective amount to treat  
inflammation and inhibit growth of oral bacteria and where the percentages are based on the  
~~weight of the bioactive agent composition.~~

Claim 27 (Cancelled)

28. (Currently amended) The method of claim 22, wherein said bioactive agent further comprises chlorophyll peppermint oil, eucalyptus oil, cinnamon bark oil, bio-saponin, folic acid, prickly ash bark extract, calendula extract, echinacea extract, [[,]] chamomile extract, olive leaf extract, black walnut hull extract, grapefruit seed extract, and green tea extract in an amount to inhibit the growth of oral bacteria and treat inflammation where said components are included in an amount of 1.0 wt% to 10 wt% based on the weight of the bioactive agent.

29. (Previously presented) The method of claim 22, wherein said bioactive agent further comprises Vitamin E in an amount of about 2 wt% to about 10 wt% based on the weight of the bioactive agent.

30. (Previously presented) The composition of claim 12, wherein said composition further comprises an antibacterial agent selected from the group consisting of calendula extract, echinacea purpurea extract, chamomile oil, cinnamon bark oil, and mixtures thereof.

31. (Currently amended) The composition of claim 12, said bioactive agent further comprising about 1.0 wt% to about 10 wt% of prickly ash bark extract, calendula extract, echinacea extract, ~~gota~~ gota kola extract, chamomile extract, olive leaf extract, black walnut hull extract, and grapefruit seed extract.

32. (Previously presented) The composition of claim 31, said bioactive agent further comprising about 1.0 wt% to about 10 wt% green tea extract and chlorophyll.

33. (Previously presented) The composition of claim 32, said bioactive agent further comprising about 1.0 wt% to about 10 wt% peppermint oil, clove bud oil, and cinnamon bark oil.